U of I Plant Clinic is offering molecular screening of waterhemp populations for herbicide resistance this growing season. Protocol developed by Dr. P. Tranel supported by ISA and Pioneer, now being offered through the Plant Clinic. The fee is $50 per tested field.

To submit samples, follow these directions:

After applying glyphosate, select five waterhemp survivors in the field.

Remove the top inch or two from each plant (containing young, newly emerged, healthy leaves), and seal it in a sandwich-sized zip-top plastic bag. Use a separate bag for each plant. Place the bags in an envelope and send by overnight delivery to University of Illinois Plant Clinic. Ideally, samples should be sent the same day they are collected, but if necessary, they can be stored for a day or two in a refrigerator (but do not freeze). Do not send samples on a Friday or Saturday.

Submit with the sample form on the back page of this flyer or download the Waterhemp submission form from the Plant Clinic website http://web.extension.illinois.edu/plantclinic/

Completely fill out the form for each field (5 plant sample).

Disclaimer: Results are based on the sample submitted. University of Illinois Plant Clinic does not promote the use or purchase of particular products. Reference to specific companies does not imply endorsement by University of Illinois Plant Clinic, nor is discrimination intended against any that are not listed.

- Glyphosate resistance
- PPO inhibitor resistance
- Both tests conducted this year for one fee!
- $50 fee